CONTENTS

ACCELERATED COMMUNICATION

WILLIAM A. DEVANE, FRANCIS A. DYSARZ III, M. ROSS JOHNSON, LAWRENCE S. MELVIN, AND ALLYN C. HOWLETT. Determination and Characterization of a Cannabinoid Receptor in Rat Brain .......................... 605

ARTICLES

LISA A. BERO, SABITA ROY, AND NANCY M. LEE. Identification of Endogenous Opioid Receptor Components in Rat Brain Using a Monoclonal Antibody ...................... 614

THOMAS W. JONES, CHEN QIN, VALENTINE H. SCHAEPFER, AND JAMES L. STEVENS. Immunohistochemical Localization of Glutamine Transaminase K, a Rat Kidney Cysteine Conjugate β-Lyxase, and the Relationship to the Segment Specificity of Cysteine Conjugate Nephrotoxicity .................................................. 621

M. J. NAMKUNG, H. L. YANG, J. E. HULLA, AND M. R. JUCHAU. On the Substrate Specificity of Cytochrome P450IIIa1 .......................... 628

MICHAEL R. JACKSON, SYLVIE FOURNEL-GIGLEUX, DAVID HARDING, AND BRIAN BURCHELL. Examination of the Substrate Specificity of Cloned Rat Kidney Phenol Glucuronitransferase Expressed in COS-7 Cells ................................... 638

PAUL T. WILSON, EDWARD HAWROT, AND THOMAS L. LENTZ. Distribution of α-Bungarotoxin Binding Sites over Residues 173–204 of the α Subunit of the Acetylcholine Receptor .................................................. 643

DAVID H. PRESKY AND AGNES SCHONBRUNN. Iodination of [Tyr1]Somatostatin Yields a Super High Affinity Ligand for Somatostatin Receptors in GH4C1 Cells .......................... 651

ROGER J. HILL, HENRY J. DUFF, AND ROBERT S. SHELDON. Determinants of Stereospecific Binding of Type I Antiarrhythmic Drugs to Cardiac Sodium Channels .......... 659

STANLEY A. THAYER, LANE D. HIRNING, AND RICHARD J. MILLER. The Role of Caffeine-Sensitive Calcium Stores in the Regulation of the Intracellular Free Calcium Concentration in Rat Sympathetic Neurons In Vitro .................................................. 664

LUISA ROSSI, LARRY G. MCGIRR, JOSE SILVA, AND PETER O’BRIEN. The Metabolism of N-Acetyl-3,5-dimethyl-p-benzoquinone Imine in Isolated Hepatocytes Involves N-Deacetylation .................................................. 674

CHRISTOPHER A. BRADFIELd AND ALAN POLAND. A Competitive Binding Assay for 2,3,7,8-Tetrachlorodibenzo-p-Dioxin and Related Ligands of the Ah Receptor .......................... 682

LESLIE KUSHNER, STEPHEN R. ZUKIN, AND R. SUZANNE ZUKIN. Characterization of Opioid, α, and Phencyclidine, Receptors in the Neuroblastoma-Brain Hybrid Cell Line NCB-20 .................................................. 689

PATRICIA E. GANEY, FREDERICK C. KAUFFMAN, AND RONALD G. THURMAN. Oxygen-Dependent Hepatotoxicity Due to Doxorubicin: Role of Reducing Equivalent Supply in Perfused Rat Liver ........................................... 695

Continued
GERALD D. FRENKEL AND JANET DUCOTE. Methyl Mercury Stimulates Chain Elongation by Purified HeLa RNA Polymerase II .................................................. 702
YUKIO NISHIZAWA, FABIAN GUSOVSKY, AND JOHN W. DALY. Local Anesthetics: Comparison of Effects on Batrachotoxin-Elicited Sodium Flux and Phosphoinositide Breakdown in Guinea Pig Cerebral Cortical Synaptoneurosomes ........................................ 707